Fig.1a

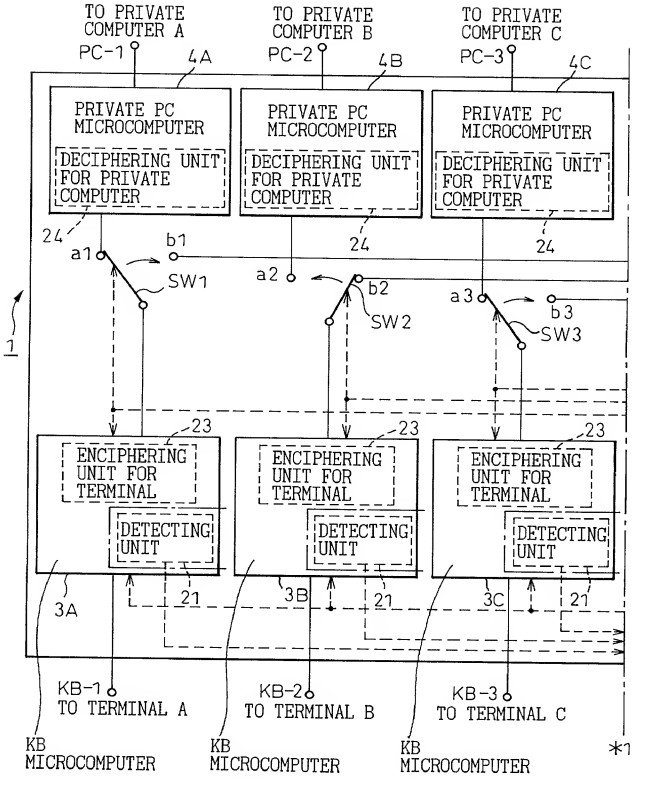

TO PRIVATE COMPUTER A
TO PRIVATE COMPUTER B
TO PRIVATE COMPUTER C
PC-1
PC-2
PC-3
4A
4B
4C
PRIVATE PC MICROCOMPUTER
DECIPHERING UNIT FOR PRIVATE COMPUTER
24
a1
b1
SW1
a2
b2
SW2
a3
b3
SW3
1
23
ENCIPHERING UNIT FOR TERMINAL
DETECTING UNIT
21
3A
3B
3C
KB-1 TO TERMINAL A
KB-2 TO TERMINAL B
KB-3 TO TERMINAL C
KB MICROCOMPUTER
*1

Fig.1b

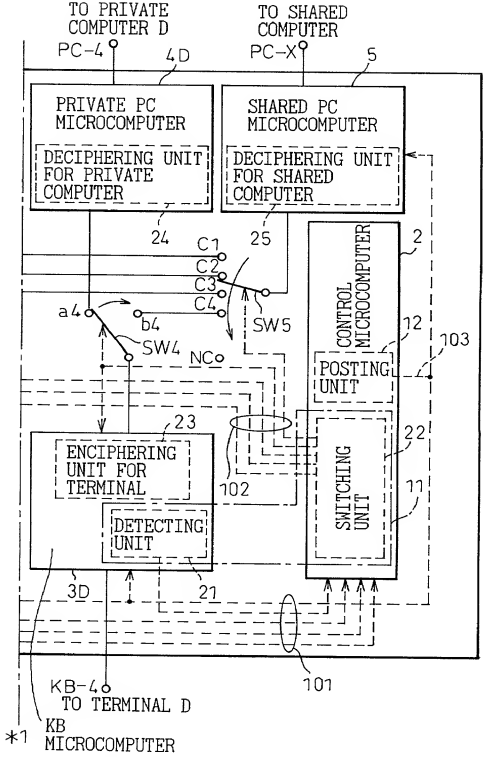

TO PRIVATE COMPUTER D
TO SHARED COMPUTER
PC-4
4D
PC-X
5
PRIVATE PC MICROCOMPUTER
DECIPHERING UNIT FOR PRIVATE COMPUTER
SHARED PC MICROCOMPUTER
DECIPHERING UNIT FOR SHARED COMPUTER
24
25
C1
C2
C3
C4
a4
b4
SW4
NC
SW5
CONTROL MICROCOMPUTER
2
12
103
POSTING UNIT
23
ENCIPHERING UNIT FOR TERMINAL
DETECTING UNIT
102
22
11
SWITCHING UNIT
3D
21
101
KB-4
TO TERMINAL D
*1
KB MICROCOMPUTER

Fig.2a

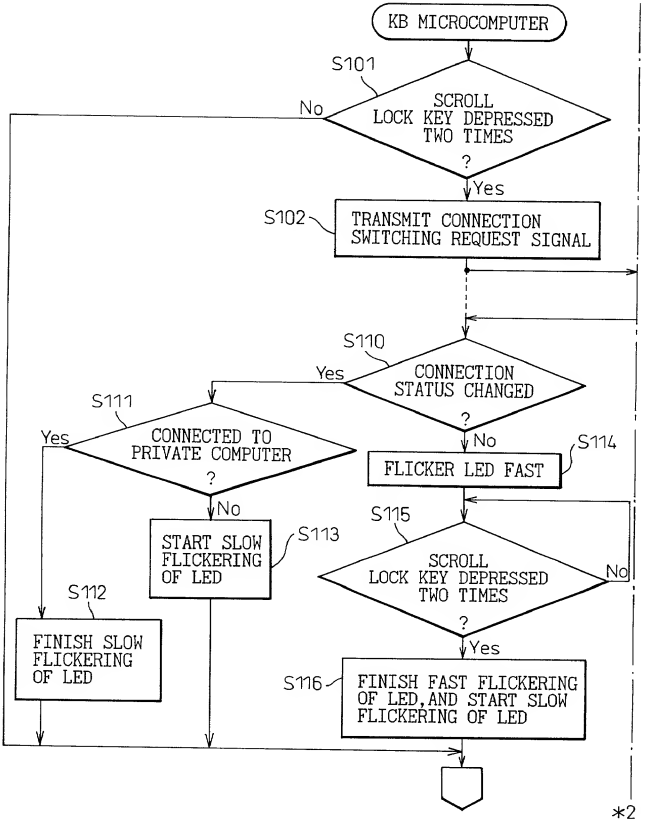

KB MICROCOMPUTER
S101
SCROLL LOCK KEY DEPRESSED TWO TIMES ?
No
Yes
S102
TRANSMIT CONNECTION SWITCHING REQUEST SIGNAL
S110
CONNECTION STATUS CHANGED ?
Yes
No
S111
CONNECTED TO PRIVATE COMPUTER ?
Yes
No
S114
FLICKER LED FAST
S115
SCROLL LOCK KEY DEPRESSED TWO TIMES ?
No
Yes
S113
START SLOW FLICKERING OF LED
S112
FINISH SLOW FLICKERING OF LED
S116
FINISH FAST FLICKERING OF LED, AND START SLOW FLICKERING OF LED
*2

Fig.2b

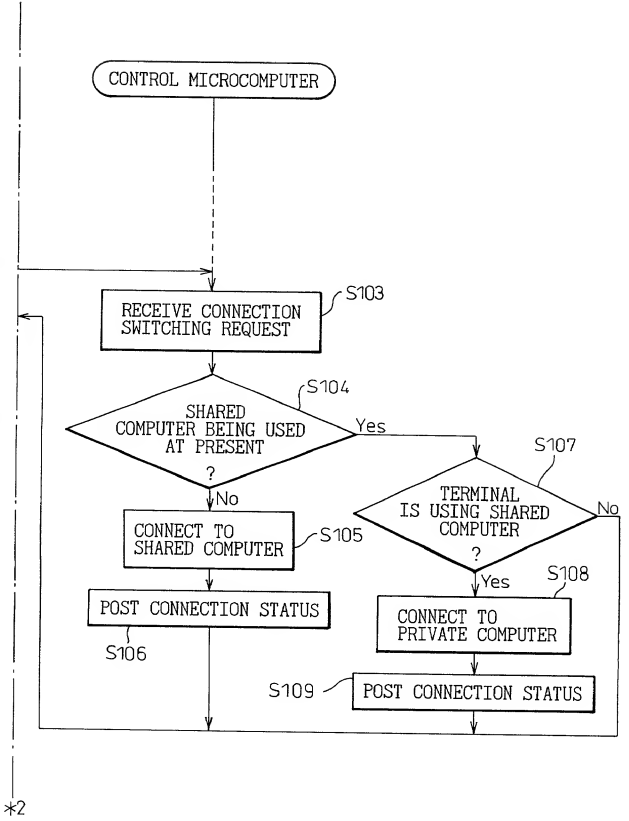

CONTROL MICROCOMPUTER
RECEIVE CONNECTION SWITCHING REQUEST
S103
SHARED COMPUTER BEING USED AT PRESENT
?
S104
Yes
No
CONNECT TO SHARED COMPUTER
S105
POST CONNECTION STATUS
S106
TERMINAL IS USING SHARED COMPUTER
?
S107
No
Yes
CONNECT TO PRIVATE COMPUTER
S108
POST CONNECTION STATUS
S109
*2

Fig.3

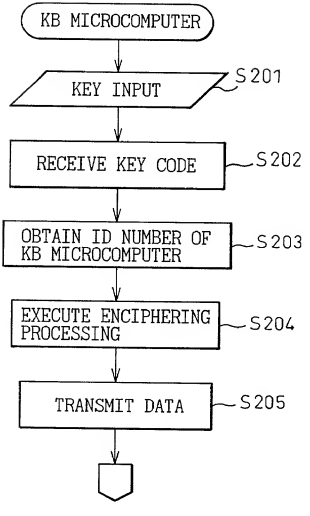

KB MICROCOMPUTER
KEY INPUT
S201
RECEIVE KEY CODE
S202
OBTAIN ID NUMBER OF KB MICROCOMPUTER
S203
EXECUTE ENCIPHERING PROCESSING
S204
TRANSMIT DATA
S205

Fig. 4

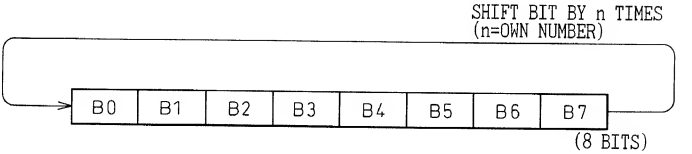


Fig. 5

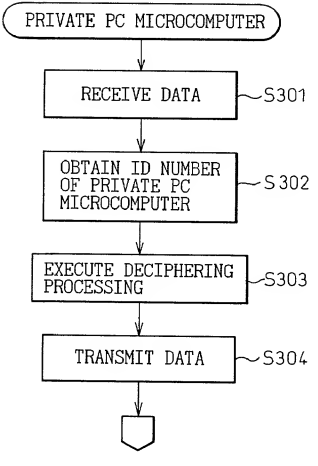

PRIVATE PC MICROCOMPUTER
RECEIVE DATA
S301
OBTAIN ID NUMBER OF PRIVATE PC MICROCOMPUTER
S302
EXECUTE DECIPHERING PROCESSING
S303
TRANSMIT DATA
S304

Fig. 6

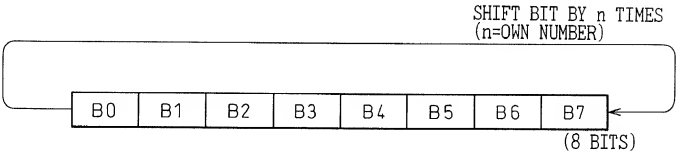


Fig. 7

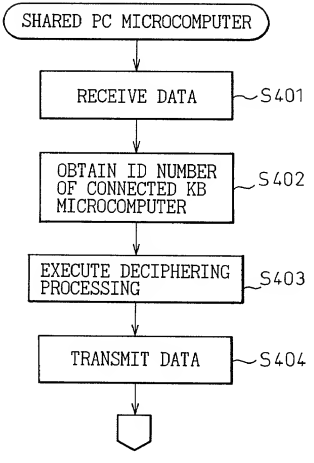

SHARED PC MICROCOMPUTER
RECEIVE DATA
S401
OBTAIN ID NUMBER OF CONNECTED KB MICROCOMPUTER
S402
EXECUTE DECIPHERING PROCESSING
S403
TRANSMIT DATA
S404

Fig. 8

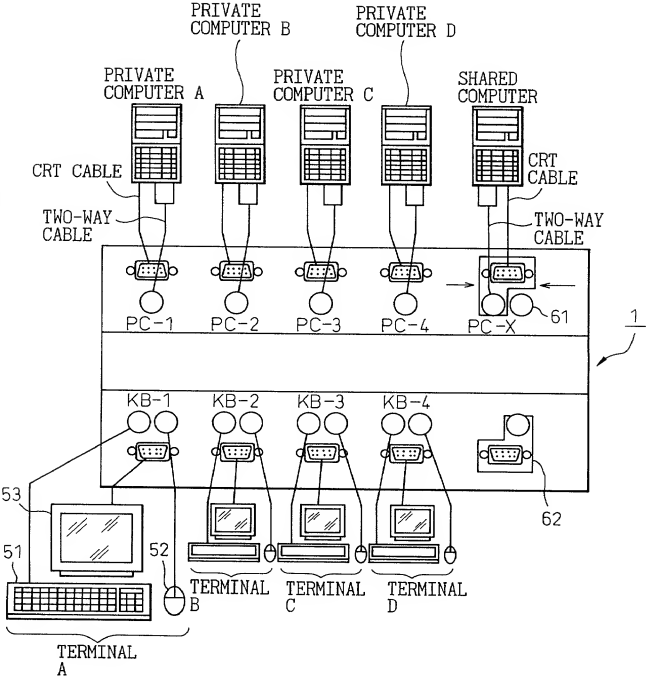

PRIVATE COMPUTER B
PRIVATE COMPUTER D
PRIVATE COMPUTER A
PRIVATE COMPUTER C
SHARED COMPUTER
CRT CABLE
CRT CABLE
TWO-WAY CABLE
TWO-WAY CABLE
PC-1
PC-2
PC-3
PC-4
PC-X
61
1
KB-1
KB-2
KB-3
KB-4
53
62
51
52
TERMINAL B
TERMINAL C
TERMINAL D
TERMINAL A

Fig.9

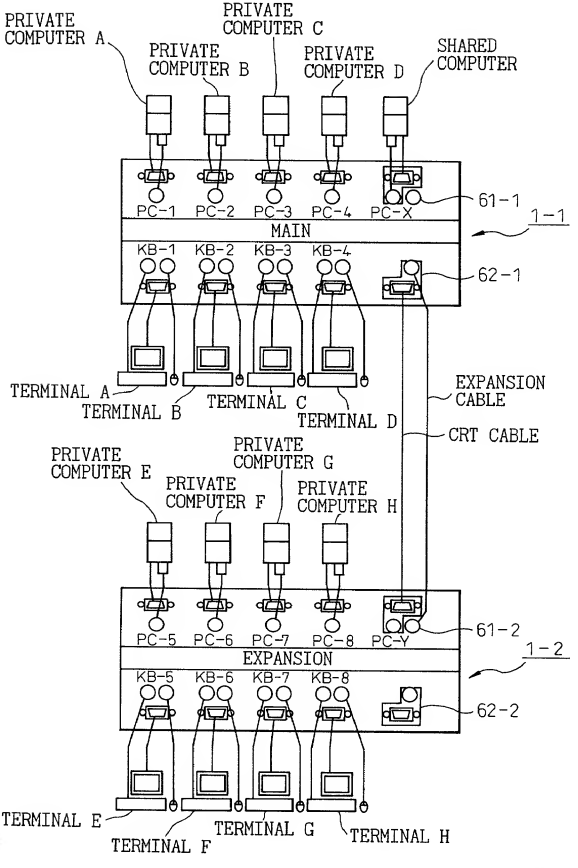
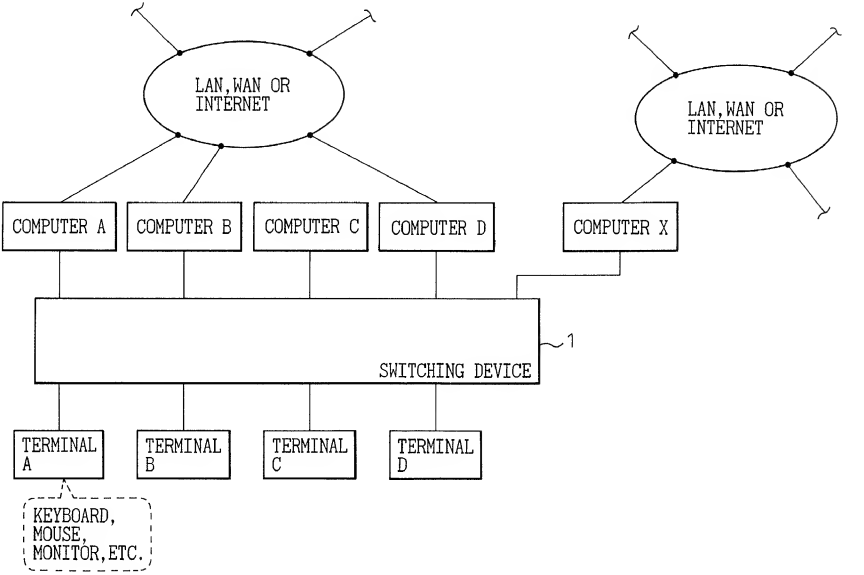

PRIVATE COMPUTER A
PRIVATE COMPUTER B
PRIVATE COMPUTER C
PRIVATE COMPUTER D
SHARED COMPUTER
PC-1
PC-2
PC-3
PC-4
PC-X
61-1
MAIN
1-1
KB-1
KB-2
KB-3
KB-4
62-1
TERMINAL A
TERMINAL B
TERMINAL C
TERMINAL D
EXPANSION CABLE
CRT CABLE
PRIVATE COMPUTER E
PRIVATE COMPUTER F
PRIVATE COMPUTER G
PRIVATE COMPUTER H
PC-5
PC-6
PC-7
PC-8
PC-Y
61-2
EXPANSION
1-2
KB-5
KB-6
KB-7
KB-8
62-2
TERMINAL E
TERMINAL F
TERMINAL G
TERMINAL H

Fig.10


LAN, WAN OR INTERNET
LAN, WAN OR INTERNET
COMPUTER A
COMPUTER B
COMPUTER C
COMPUTER D
COMPUTER X
SWITCHING DEVICE
1
TERMINAL A
TERMINAL B
TERMINAL C
TERMINAL D
KEYBOARD, MOUSE, MONITOR, ETC.